



Overview of San Diego Climate Action Plan

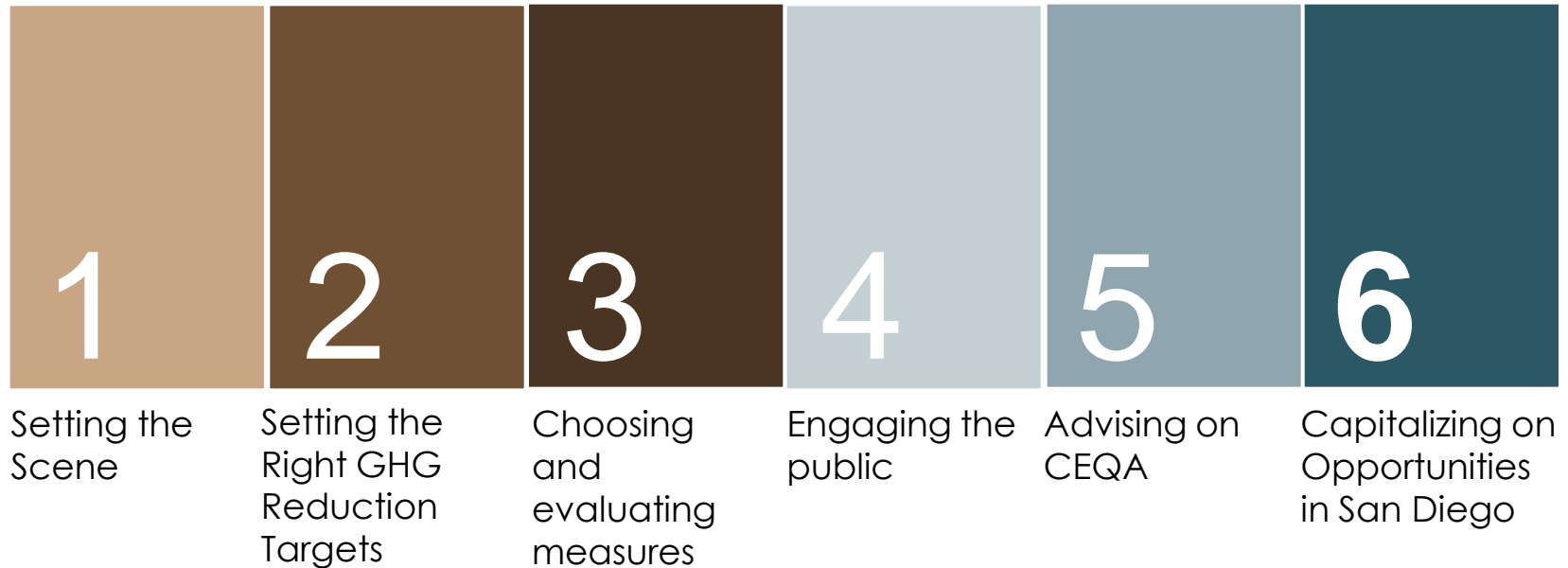
11.6.2013

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Director of Environmental
Policy
iMayor's Office

Climate Impacts in San Diego

- UCSD Professor Keeling in July at NR&C:
 - More Intense and humid heat waves
 - More intense storms and drought
 - Increased water and energy demand
 - Increased fire frequency, intensity & area covered
 - Sea-level rise and coastal effects
 - **Small window of opportunity to stop warming**

6 Components of a *successful* Climate Action Plan

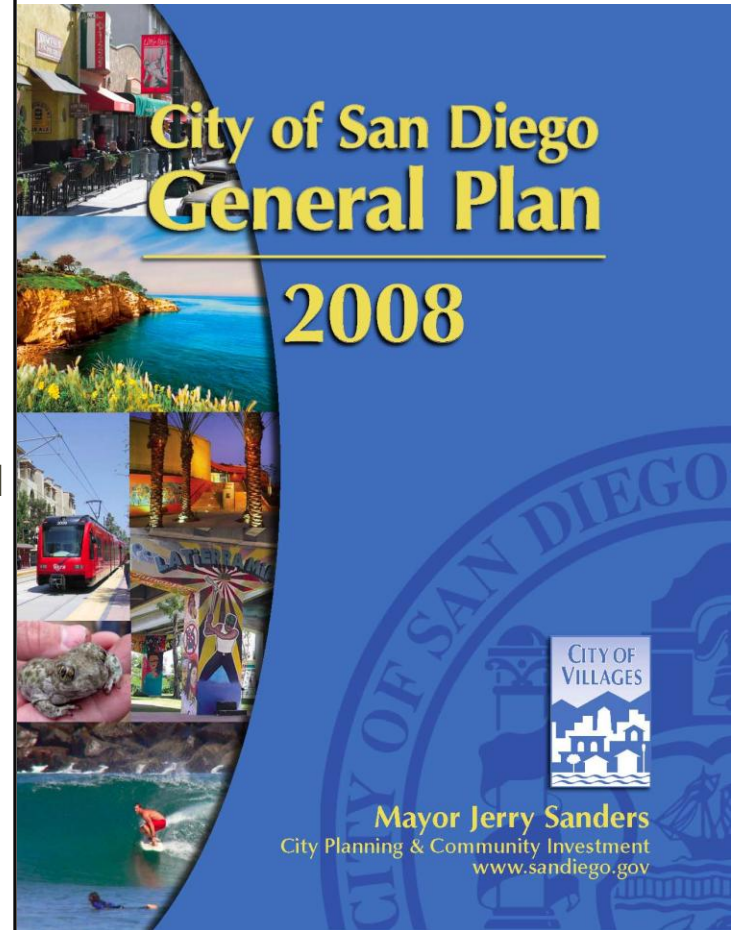


○ Climate Plan Supports & Mitigates General Plan

- Conservation Element -A.2 – Reduce the City's Carbon Footprint
- Conservation Element – A.13 – Regularly monitor, update, and implement the City's Climate Action Plan to ensure minimum compliance with all applicable federal, state and local laws.

○ Climate Action Plan will help implement:

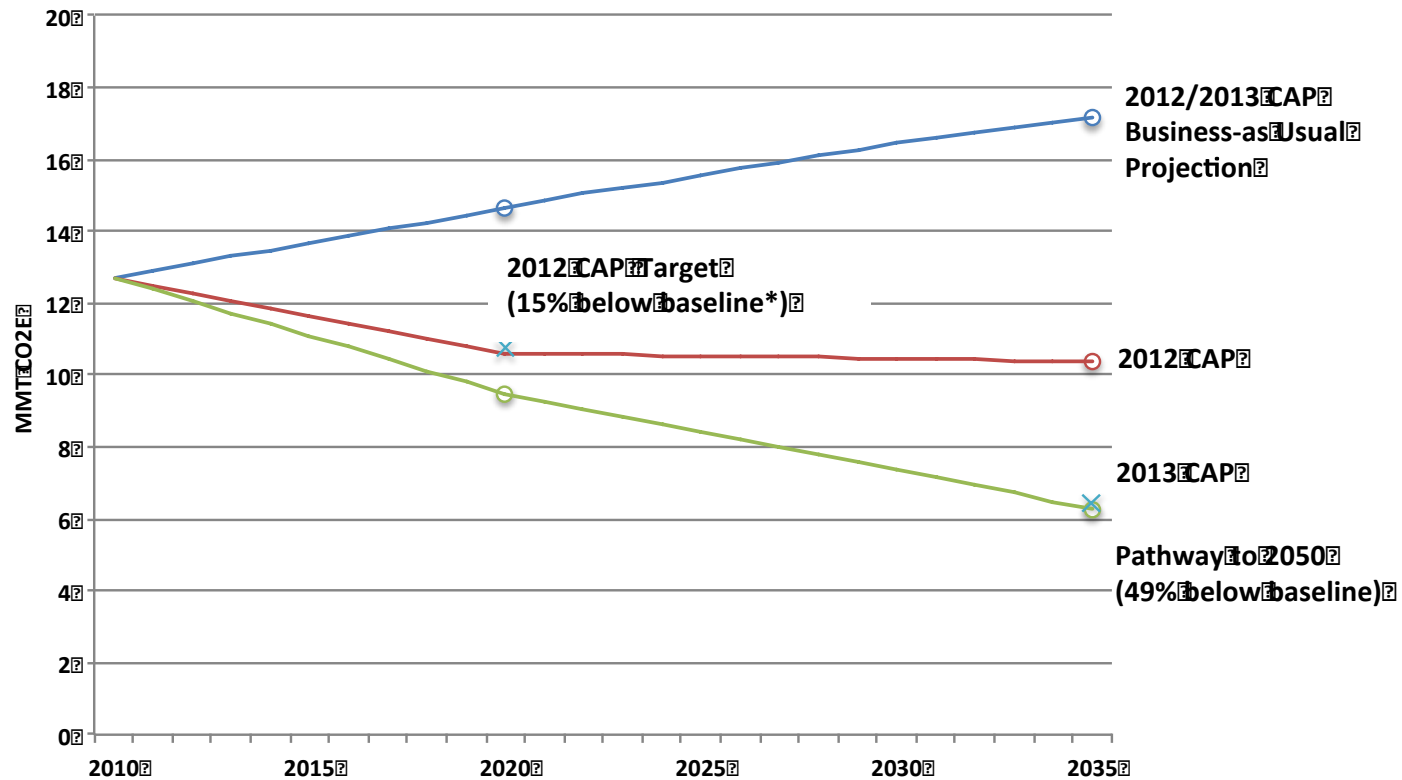
- City of Villages
- General Plan's Transit Oriented Development Goals



San Diego's Proposed Climate Action Plan

- Measures to meet GHG reduction targets of 2020 (AB 32) and 2035 (ES-3-05), consistent with planning horizon of General Plan
- Requires local/regional actions as well as continued implementation of federal and state mandates.
- These actions and associated co-benefits will contribute to the City's current and future prosperity, resiliency and sustainability.

Comparison of CAP Emissions Scenarios

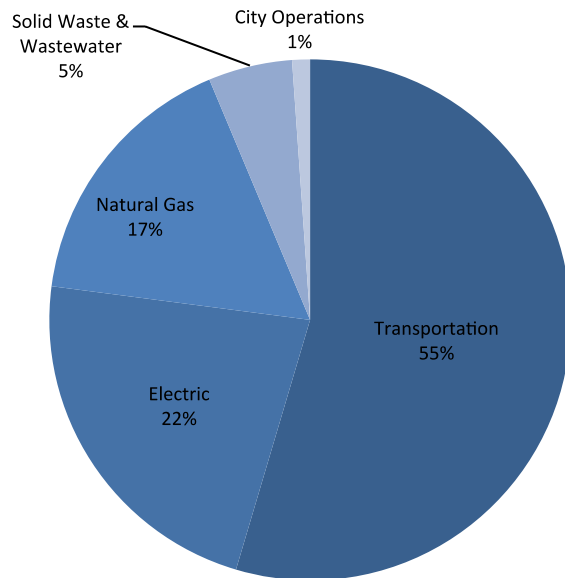


*Average of 2004, 2007, 2008

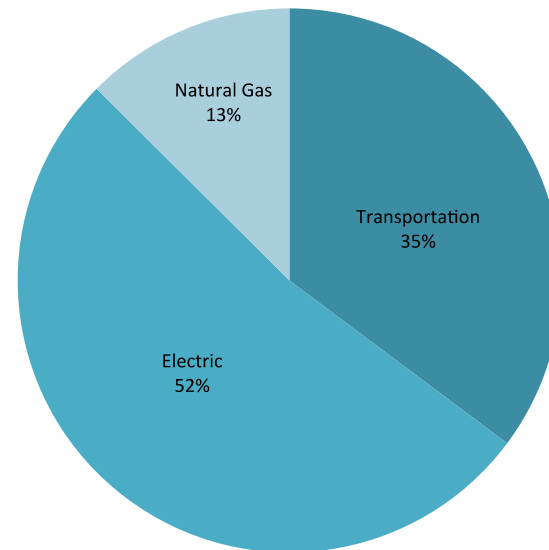
Source: Energy Policy Initiatives Center, 2013

Sources of Emissions

**City of San Diego
Community GHG Emissions (2009)**



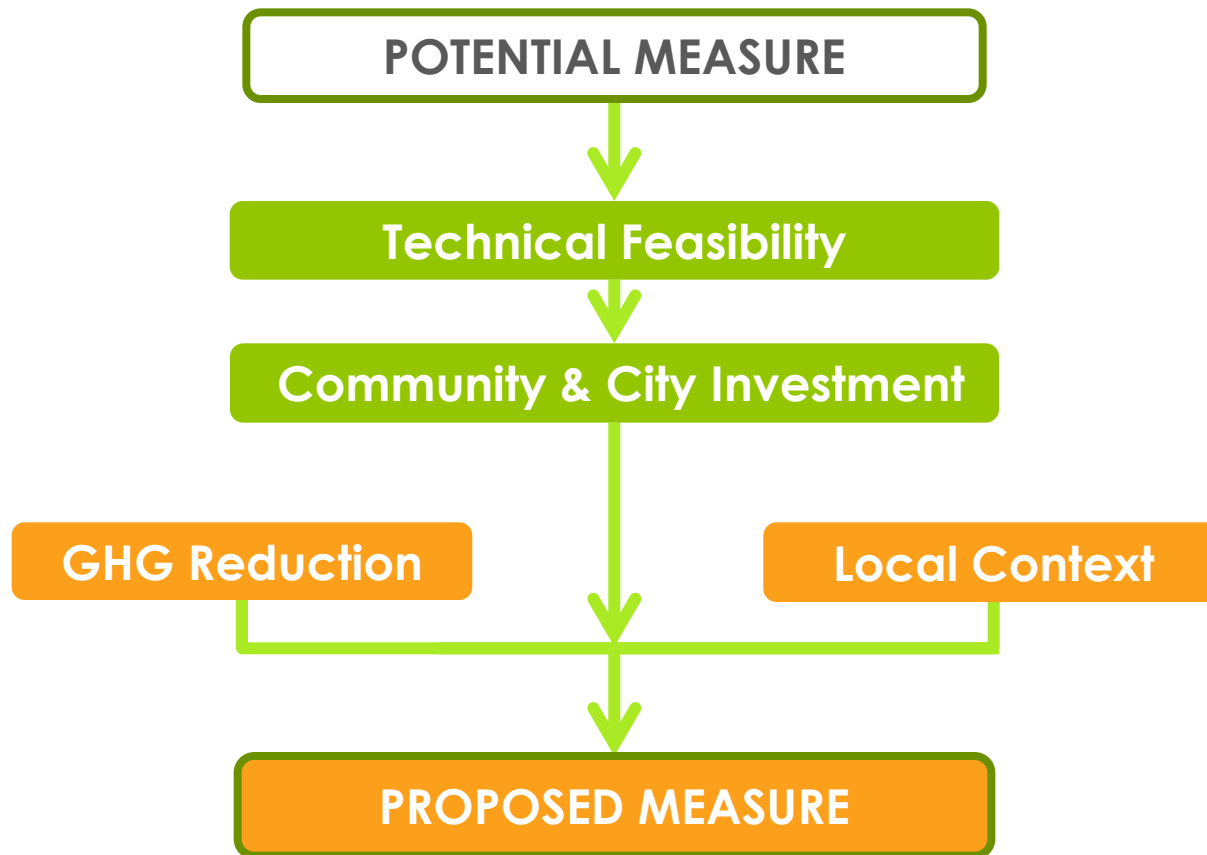
**City of San Diego
Operational GHG Emissions (2009)**



What are the Strategies?

- Energy Conservation and Generation
- Water Conservation
- Waste Reduction
- Improved Multi-Modal Transportation Options (Bike, Walk, Transit, Car Sharing)

What are the Implementation Measures?



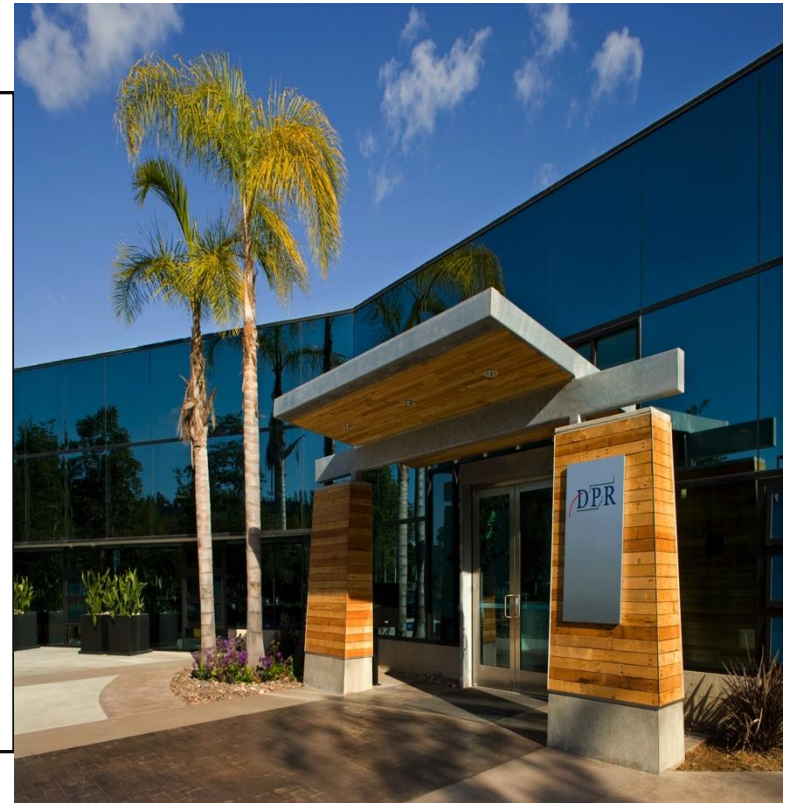
Example measure: Energy Efficiency

Action: Retrofit Existing Buildings

Target: 20% of buildings by 2020;
75% by 2035

Phase-in mandatory residential and commercial energy conservation ordinances (Boston, LA, Chicago, etc.)

Funding: PACE, SDGE rebates



Example Measure: Renewable Energy

Action: Increase Renewables

Target: 100% renewable by 2035

- 30 MW of renewable energy on city facilities by 2020 (22 MW today)
- 200 MW solar in community by 2020 (70 MW today)
- Evaluate CCA by 2015

Funding: PACE, PPAs, loans, GF



Example measure: Waste Reduction

Action: Divert Trash from Landfill

Target: Divert 75% of Trash from Landfill by 2020; 100% by 2035

- Adopt a Plastic Bag Ordinance by 2014
- Adopt & Implement Zero Waste Plan by 2014

Funding: ESD Recycling Funds



Example measure: Transportation

Existing
Conditions



Desired Future
Conditions



Proposed
Solution: Bicycle
Improvements

Action:

Expand bicycle network infrastructure in high-quality transit areas

Target:

Increase commuter biking to 6% in 2020, and 18.5% in 2035 (2% today).

Funding: Transnet, Grants, CIP, GF

NEW: Implementation Plan

- **Detailed Greenhouse Gas Reduction Measures**
- **Robust Analysis**
 - CO₂ reduction potential
 - Who is the responsible party?
 - Community co-benefits
- **Implementation & Monitoring**
 - Funding sources
 - Phasing - Focus on Early Action Years
 - Progress indicators

New: CEQA Thresholds of Significance for GHG Emissions

- Provides **quantitative numeric thresholds** regarding allowed GhG emissions for each project – if go above threshold, must reduce
- Developed specifically to account for development patterns within San Diego
- Provides certainty and guidance to developers on how to meet thresholds

Can we succeed?

- Will take full support by the City, community and elected officials to ensure success
- We are using best data available to make informed choices about our strategies
- Regular monitoring and evaluation is critical
- We must adapt and modify our approaches as needed

We are already taking action.

○ Achievements in San Diego Thus Far

- Renewable – 25 MW (more coming)
- Upgraded 90% LED Traffic lights & 34,000 new efficient street lights (saved City millions)
- 30 retrofit projects in 15 Balboa Park buildings (\$1M saved)
- Aggressive bike restriping program/bike share
- Electric car-sharing program (Car2Go)

Community Participation & Public Outreach

- More than 26 presentations on the Climate Action Plan since 2011
- Last update at NR&C on July 25, 2013
- More than 15 Economic & Environmental Sustainability Task Force meetings, including two publicly-noticed meetings in Sept & October 2013
 - Stakeholders present included Chamber, BIA, BOMA/NAIOP, Environmental Community
- iMayor's office presented to the Chamber Energy & Water Committee in October 2013
- iMayor's office presented to CIPRAC & consulting with all City departments

Next Steps...

- More public meetings with the Environmental & Sustainability Task Force
- Planning Commission, Community Planners Committee, Technical Advisory Committee in Nov/Dec 2013
- Environmental review process will be Feb 2014 to Fall 2014 (estimated timeline) – will include more public outreach
- Estimated Final Council Adoption Early 2015